March 17, 1967 March 31, 1967

Proposed KSC Apollo Program Directive No. 5A

DK

Chief, Program Control Office, DC **Bert Greenglass 867-7380**

M. Gasman, DC-3

Concur subject to the following recommended changes:

1. Subject, line 2: make "change" plural.
2. Purpose, line 1: Change post-flight to post-Flight.
3. Par II: Delete subparagraphs A and B. Substitude the following:

   "A. Any proposed changes that would make essential hardware, software or systems unavailable for required prelaunch and launch operations or that would degrade the required limits of performance of any hardware, software or system."

Renumber Par. C as Par. B.

Reason: Par. IV.B. requires that all changes to be submitted to HA and DA. Such a procedure is combersome and could effectively halt or slow down needed changes and improvements to supporting systems if all changes had to follow this route.

4. Par II. C. Lines 1-2: Change to read "...engineering change upon which work has not yet begun and those which cannot be completed and tested prior to launch...".

5. Par IV.A: Add the following sentence: "In addition, the ECP will contain a statement of its impact on the conditions in Par II.A. above."

6. Par IV.B, line 2: Insert "appropriate" between "the" and "level".

7. Par IV: Add a new sub-paragraph -

"D. These approval procedures supercede those contained in K-AM-03, Apollo Saturn Configuration Management Plan and KSC Apollo Program Directive #2 except for ECP's requiring Level I CCB action or those governed by Intercenter Agreements."

Kennedy Space Center
APOLLO PROGRAM DIRECTIVE DATE:

KSC APOLLO PROGRAM DIRECTIVE NO. 57

TO: Distribution

FROM J. G. Shinkle, Apollo Program Manager

SUBJECT: Policy for Reviewing and Approving Incorporation of Program Approved Hardware and Software Changes in Mission Space Vehicle and Support Equipment.

I. PURPOSE

To establish a post-Flight Readiness Test approval procedure for Mission Space Vehicle and Support Equipment Hardware and Software Changes prior to start of incorporation or use of the change. This directive is necessary to assure that the Director of Launch Operations or his designee, and that the KSC Apollo Program Manager or his designee are cognizant of, and approve of, all changes made to Mission Equipment after completion of the Flight Readiness Test for each Mission.

II. SCOPE

This directive is applicable to all KSC and Contractor organizations involved in the checkout of Space Vehicles and Launch Complexes. Changes which come under the scope of this directive are as follows:

A. Any projected hardware changes to Space Vehicles, functional GSE/ESE, MSOB ACE Control and Computer Rooms.

B. Any projected change in RCA 110A Programs, Launch Vehicle Flight Computer Program or the ACE Computer Program.

C. Any previously approved hardware or software engineering change which has not been installed and those which will not be installed prior to launch (as determined by the Director of Launch Operations), shall be re-submitted to the Level II Configuration Control Board for re-designation to another mission or cancellation. Changes of this type must have justification as to the reason(s) for non-installation per original Configuration Control Board Directive.

III. EFFECTIVITY

This directive becomes effective immediately upon completion of the Flight Readiness Test.

IV. PROCEDURE

A. Changes discussed in the Scope (paragraph II) shall be prepared in accordance with K-AM-03 Configuration Management Procedures utilizing ECP forms.

B. The change package shall be submitted to the Director of Launch Operations for his approval. If approved, the package shall be submitted to the Level II Configuration Control Board.

C. The KSC Apollo Program Manager or his designee will act as Chairman of the Level II Configuration Control Board during consideration of the change by the Level II Board.

D. [illegible]

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